

## **Appendix H1**

### **Inspection Reports and Response**

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**Water Use Inspection Report August 8, 2009**

**Water Use Inspection Report August 9, 2009**

**AEM Response to 2009 Inspection Report, September 18,  
2009**

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WATER USE INSPECTION REPORT

Date: August 8, 2009	Licensee Rep. (Name/Title): Sylvain Doire, Stephan Robert, Denis Vaillancourt
Licensee: Agnico Eagle	Licence No: 2BE-MEA0813

WATER SUPPLY

<b>Source(s):</b> Third Portage Lake		<b>Quantity used:</b> Unknown – Unknown	
<b>Owner:/Operator:</b> Agnico-Eagle Ltd.		Usage records (drill) submitted by E-mail	
Indicate: <b>A</b> - Acceptable <b>U</b> - Unacceptable <b>NA</b> - Not Applicable <b>NI</b> - Not Inspected			
<b>Intake Facilities:</b> NI	<b>Storage Structure:</b> A	<b>Treatment Sys:</b> NA	<b>Chemical Storage:</b> NA
<b>Flow Meas. Device:</b> NA	<b>Conveyance Lines:</b> NA	<b>Pumping Stations:</b> NA	<b>Screen :</b> NA

Comments: Water is pumped from the lake and then treated at the Exploration Camp. Water usage records were reviewed for Camp and drilling activities. Meters are installed as required.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Treatment at mine site

Natural Water Body: Teardrop lake	Continuous Discharge (land or water): Continuous	
Seasonal Discharge: NA	Wetlands Treatment: NA	Trench: NA

Comments: Sewage wastes are being hauled to mine site for treatment and discharge. Camp sump is insufficient to handle the volume of water generated. The licensee is required to construct a sump of sufficient size and depth to achieve compliance with the issued Water License.

Solid Waste: Landfill

Landfill: Constructed at mine site	Burn & Landfill: NA	Other: Incinerator on site
Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected		
Discharge Quality:	Decant Structure:	Erosion: A
Discharge Meas. Device: NA	Dyke Inspection: NA	Seepages: A
Dams, Dykes: NI	Freeboard: A	Spills: NI
Construction: NI	O&M Plan: NI	A&R Plan: NI
Periods of Discharge: NA.	Effluent Discharge Rate: NA	

Comments: Solid waste is hauled to the mine site for incineration. Metals waste has been stored in Quarry 22. An Inspection of Quarry 6, Quarry 22 and Forward Camp areas were found to still have hydrocarbon contaminated soils present. Soils stored at the Forward camp location pose a risk to water. Licensee has decided to move soils to Quarry 22 pending construction of the land farm.

FUEL STORAGE:

Waste Oil Storage: None noted at Exploration Camp Owner/Operator: Agnico-Eagle Ltd

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Berms & Liners: A	Water within Berms: NA	Evidence of Leaks: NI
Drainage Pipes: A	Pump Station & Catchments Berm: NI	
Pipeline Condition: NA	Condition of Tanks: A	

Comments: The licensee is reminded that any waters accumulated within the Secondary Containment of any fuel storage area must be sampled and the results must be within the license criteria prior to discharge.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: Agnico-Eagle Ltd.	
0		INAC: None	
Signs Posted	SNP: None		Warning: NI
Records & Reporting: Sampling results are required			
Geotechnical Inspection: N/A			

Non-Compliance of Act or Licence: Waste water management on site must be addressed this field season.

## WATER USE INSPECTION REPORT

<b>Date:</b> August 9,2009	<b>Licensee Rep. (Name/Title):</b> Denis Gourde - General Manager, Stephane Robert – Env. Superintendent, Sylvain Doire – Env. Coordinator
<b>Licensee:</b> Agnico Eagle	<b>Licence No:</b> 2AM-MEA0813 -Construction

### WATER SUPPLY

<b>Source(s):</b> Third Portage Lake	<b>Quantity used:</b> 20,743 cubic meters to date
<b>Owner:/Operator:</b> Agnico-Eagle Ltd.	

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

<b>Intake Facilities:</b> NI	<b>Storage Structure:</b> A	<b>Treatment Sys:</b> NA	<b>Chemical Storage:</b> NA
<b>Flow Meas. Device:</b> NA	<b>Conveyance Lines:</b> NA	<b>Pumping Stations:</b> NA	<b>Screen :</b> NA

**Comments:** Water for the camp is currently treated using filters and UV. All found to be in good order with records kept daily and on site.

### WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.): **Primary - Discharge to Tear drop Lake**

<b>Natural Water Body:</b> Mine site	<b>Continuous Discharge</b> (land or water): <b>Continuous</b>		
<b>Seasonal Discharge:</b> NA	<b>Wetlands Treatment:</b> NA	<b>Trench:</b> NA	

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

<b>Discharge Quality:</b> NA	<b>Decant Structure:</b> NA	<b>Erosion:</b> A
<b>Discharge Meas. Device:</b> NA	<b>Dyke Inspection:</b> NA	<b>Seepages:</b> A
<b>Dams, Dykes:</b> A	<b>Freeboard:</b> A	<b>Spills:</b> A
<b>Construction:</b> NI	<b>O&amp;M Plan:</b> A	<b>A&amp;R Plan:</b> A
<b>Periods of Discharge:</b> NA.	<b>Effluent Discharge Rate:</b> NA – not recorded	

**Comments:** Sewage wastes treated and discharged to water retention area in Tear drop Lake. Once completed, effluent will be discharged to tailings impoundment area. Runoff water and waste water (including grey water) from camp is directed to Tear drop Lake. Water was sampled during inspection.

### Solid Waste:

<b>Landfill:</b> Constructed	<b>Burn &amp; Landfill:</b> NA	<b>Other:</b> Incinerator & backhaul of Hazardous materials
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**Comments:** Kitchen and paper wastes are incinerated on site. Construction of the land fill is complete although not to the full size as outlined and approved. Bulk waste is no longer transported to Baker Lake. Metal wastes were noted in stockpiles around the mine site. Hazardous materials are segregated and manifested for shipment off site to Licensed and approved management center.

### FUEL STORAGE:

**Waste Oil Storage:** Stored in Haz Mat area **Owner/Operator:** Agnico-Eagle Ltd

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

<b>Berms &amp; Liners:</b> A	<b>Water within Berms:</b> A	<b>Evidence of Leaks:</b> NI
<b>Drainage Pipes:</b> NI	<b>Pump Station &amp; Catchments Berm:</b> NI	
<b>Pipeline Condition:</b> NI	<b>Condition of Tanks:</b> A- Unregistered at this time.	

**Comments:** Construction of a new 5.6 million litre tank on site completed. 4 10 million litre tanks have been constructed in Baker Lake. Samples of water in containment area were collected. Secondary containment and spill kits were noted at fuel transfer area.

### SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: Agnico-Eagle Ltd.	
4		INAC: Potable water, Effluent, Tank farm sump, water within silt curtain at East Dyke.	
Signs Posted	SNP: None		Warning: Present
Records & Reporting: Annual reporting (sampling and analysis) is required, Reports are to be filed with Inspector when available			
Geotechnical Inspection: N/A			

**Non-Compliance of Act or Licence:** Construction activities are on-going throughout the site. The site covers a large footprint. Currently, because of the level of activity it is impossible to determine accurately if instances of non-compliance exist. No obvious issues were noted during the inspection. Deficiencies noted by the inspector were addressed on site to the satisfaction of the inspector  
It is recommended that at an inspection of the site be conducted at monthly to keep up with the rapid and dramatic changes on-going at the site especially during the construction phase. This may be revisited once the mine is into production.

A.Keim

Inspector's Name

Sent by E-mail

Inspector's Signature

September 18, 2009

*Via Email*

Mr. Andrew Keim  
Water Resources Officer  
Field Operations Unit  
INAC Nunavut Regional Office  
P.O. Box 100  
Iqaluit, NU X0A 0H0  
Phone: (867) 975-4289

Dear Mr. Keim,

**Re: Water License 2AM-MEA0813 AEM Response to 2009 Inspection Report**

The following information is intended to address the issues identified during your inspection of Water License 2BE-MEA0813 at the Meadowbank Exploration Camp on August 8, 2009 and to provide you with an update on the progress that has been made since your visit.

**Waste Disposal**

**Inspection Comment:** *Camp sump is insufficient to handle the volume of water generated. The licensee is required to construct a sump of sufficient size and depth to achieve compliance with the issued Water License.*

Construction improvements on the camp sump are complete. Appendix 1 includes a memo outlining the construction process and the functionality of the new system.

**Solid Waste: Landfill**

**Inspection Comment:** *An inspection of Quarry 6, Quarry 22 and Forward Camp areas were found to still have hydrocarbon contaminated soils present. Soils stored at the Forward camp location pose a risk to water. Licensee has decided to move soils to Quarry 22 pending construction of the land farm.*

Please note that the Meadowbank All Weather Private Access Road and associated quarries fall under Type A Water License 2AM-MEA0815. The soil stored at the Forward camp has been relocated to Quarry 22. Appendix 2 includes a memo documenting the removal operation completed between August 27 and September 4, 2009.

Please contact me directly at [stephane.robert@agnico-eagle.com](mailto:stephane.robert@agnico-eagle.com) if you require any additional information.

Regards,  
**Agnico-Eagle Mines Limited – Meadowbank Division**



Stéphane Robert  
Environment Superintendent

cc: *Richard Dwyer, Nunavut Water Board*  
*Denis Gourde, AEM*  
*Denis Vaillancourt, AEM*  
*Guy Gosselin, AEM*

## **Appendix 1**

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### **Action Plan for Gray Water at Exploration Camp**

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Subject : Action plan for Gray Water at the exploration camp

When: September 11<sup>th</sup>

From : Denis Vaillancourt

To : : Andrew Kein

c.c. Stéphane Robert, Guy Gosselin

Last August, we the Inspector of INAC Andrew Keim visited the exploration camp. We observed a problem at the end of the gray water line. The food and grease are present in the tundra.

In mid-July, we installed a screen in the sink where the personnel washed the dishes. We have 2 greases trap in the kitchen but they are too close to the sink and the grease remains mobile due to presence of hot water. The configuration of the grease trap was not appropriate.

After consultation with Robert Little from Birchwood (consultant at the mine for the sanitary system), he suggested to install the old grease trap from the old kitchen at the mine site. The new system will trap the grease (food) and the pump truck will empty the content of the containers every 4 days. The system will evacuate the water with a pump, and only water is going to the tundra.

This is all steps we follow:

1. excavated to install the grease trap (Pic. 1);
2. modified the grease trap (4' x 4' x 6') – installed heat trace (Pic. 2);
3. Isolated the trap, foam and plywood (Pic. 3);
4. installation of the grease trap (Pic. 4, 5, 6, 7, 8);
5. built the station in plywood around the trap and pipe to evacuate the water (Pic. 9);
6. installation of pump system to evacuate the water, another pump is installed as back up (Pic. 10, 11);





1. Construction of the new grease trap.



2. Grease trap with heat trace.



3. Grease trap before the installation ; isolated 4' x 4' x 6'.



4. excavation and installation of the grease trap





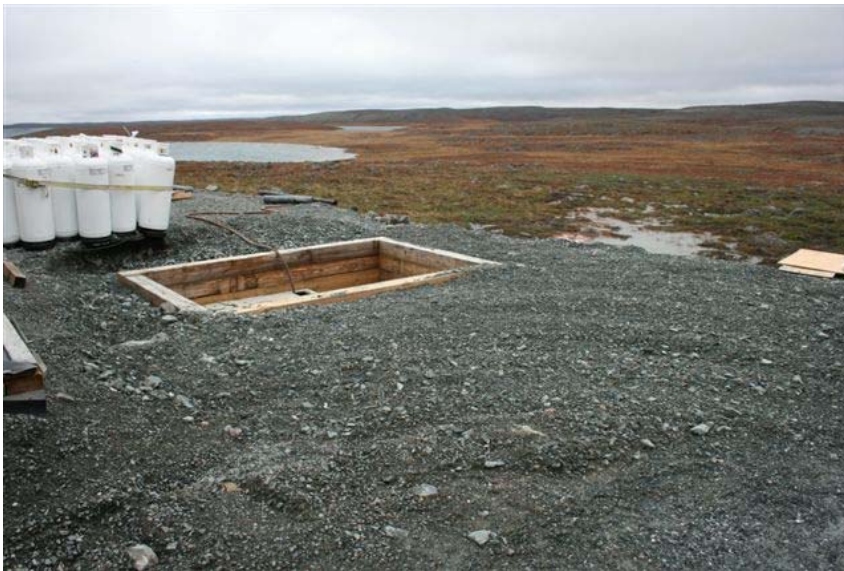
5. It's work ; in the left corner we can see the grease.



6. Arial view.



7. The base filled with 0-3/4''.



8. The base.



9. Final installation of the grease Station.

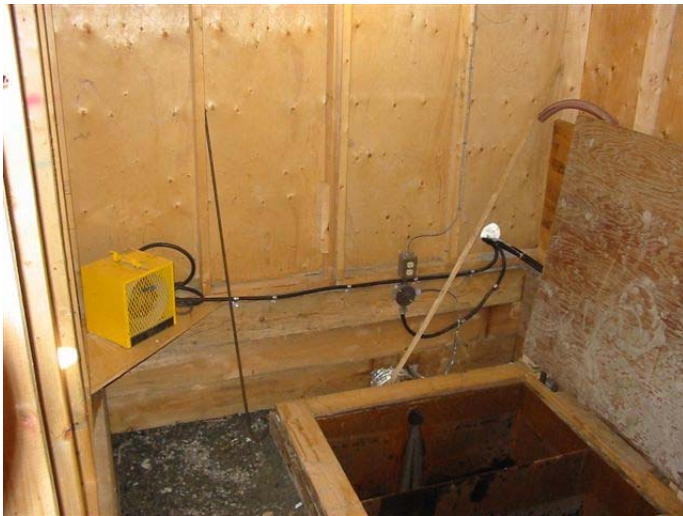


10. Inside of the Grease Station with panel over the trap.





11. Easy access to the pump truck in the Grease Station.



12. Heater inside of the station

## **Appendix 2**

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### **Forward Camp Contaminated Soil Removal**

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### Memorandum: Forward camp contaminated soil removal

*Date: August 27<sup>th</sup> to September 4<sup>th</sup> 2009*

*Personnel: Nicolas Saucier (AEM) and 2 operators, Michel Savoie and Brian McLean (BLCS)*

**Summary:**

This memo is to confirm that the contaminated soil piles at the Forward camp have been moved to the Quarry # 22. A Baker Lake contractor (BLCS) was hired to load and haul the material. It takes 35 loads from semi-dump tractor trailer to achieve this task. The haulage capacity for the semi-dump truck is 28 tonnes. Considering that information the estimated quantity of hauled material is 980 tonnes. The operations start on the August 27<sup>th</sup> and were completed the September 4<sup>th</sup> 2009 under the supervision of an Agnico-Eagle environment representative.



**Photo 01:** After completion of the contaminated soil exhumation last falls, banks on each side of the holes have been created to avoid any incident. – September 23<sup>rd</sup> 2008





**Photo 02:** The semi-dump trucks used to haul the material – August 31<sup>st</sup> 2009



**Photo 03:** During the works; the soil was on tarps and both the soil and the tarps have been brought to the Quarry #22 – September 1<sup>st</sup> 2009.



**Photo 04:** After completion of the haulage the area have been levelled with the loader. The banks (non-contaminated material) were pushed to make sure there are no steep slopes – September 4<sup>th</sup> 2009.